AUTODOC CLUB

How to change spark plugs on **Mercedes W203** – replacement guide





VIDEO TUTORIAL



Important!

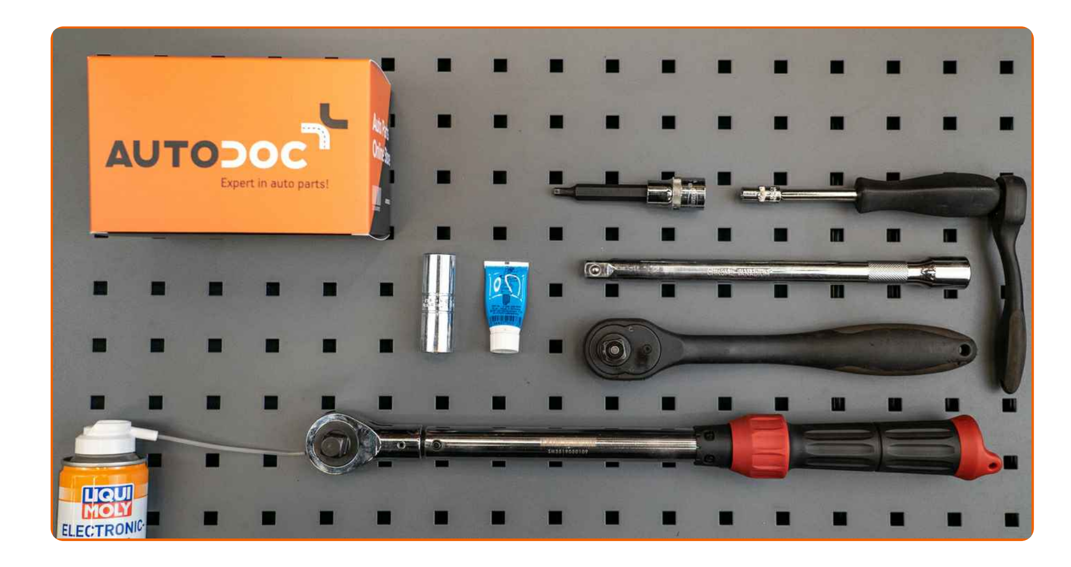
This replacement procedure can be used for:
MERCEDES-BENZ C-Class Saloon (W202) C 180 (202.018), MERCEDES-BENZ C-Class Saloon (W202) C 200 (202.020), MERCEDES-BENZ SPRINTER 2-t Bus (901, 902) 214 2.3, MERCEDES-BENZ E-Class Saloon (W210) E 200 (210.035), MERCEDES-BENZ C-Class Saloon (W202) C 230 Kompressor (202.024), MERCEDES-BENZ VITO Bus (638) 113 2.0 (638.114, 638.194), MERCEDES-BENZ C-Class T-modell (S202) C 180 T (202.078), MERCEDES-BENZ C-Class T-modell (S202) C 200 T (202.080), MERCEDES-BENZ E-Class T-modell (S210) E 200 T (210.235), MERCEDES-BENZ E-Class T-modell (S210) E 230 T (210.237), MERCEDES-BENZ C-Class Saloon (W202) C 230 (202.023), MERCEDES-BENZ C-Class T-modell (S202) C 230 T (202.083), MERCEDES-BENZ SLK (R170) 230 2.3 Kompressor (170.447), MERCEDES-BENZ V-Class (W638/2) V 230 (638.234, 638.294), MERCEDES-BENZ VITO Bus (638) 114 2.3 (638.134, 638.194), (+ 66)

The steps may slightly vary depending on the car design.





REPLACEMENT: SPARK PLUGS – MERCEDES W203. TOOLS YOU MIGHT NEED:



- Electronic spray
- HEX bit No.HW5.
- Drive socket # E8
- Spark plug socket # 16
- Ratchet wrench
- Torque wrench
- High-temperature anti-seize lubricant
- Fender cover

BUY TOOLS





Replacement: spark plugs – Mercedes W203. Professionals recommend:

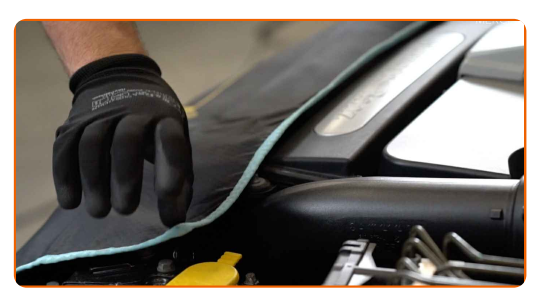
- The replacement procedure is the same for all spark plugs.
- Warning! Shut down the engine before starting any work – Mercedes W203.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

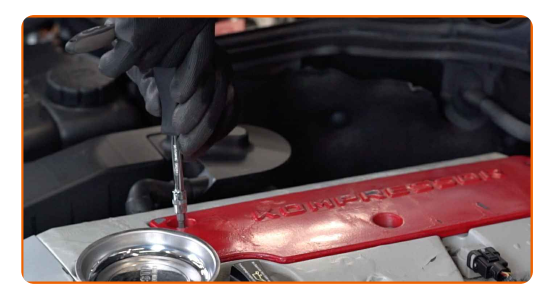
1 Open the hood.



2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.



3 Undo the engine cover screws (3 pieces). Use HEX No.HW5.







4 Remove the engine cover.



5 Unscrew the fasteners of the ignition coils. Use a drive socket #E8.



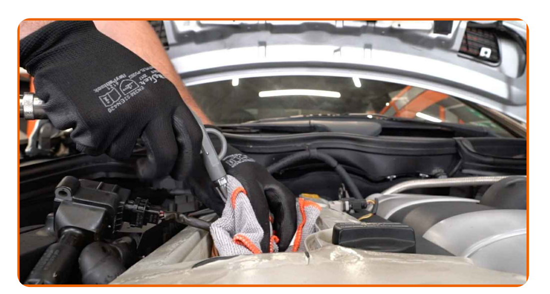
6 Take out the ignition coils from the spark plug wells.



Replacement: spark plugs – Mercedes W203. Tip from AUTODOC:

- Remember the sequence of steps for ignition coil demounting.

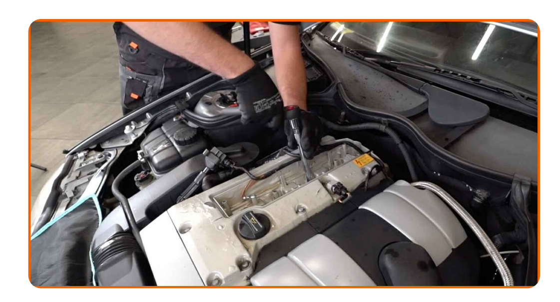
7 Clean dirt, dust and debris from inside the spark plug wells.



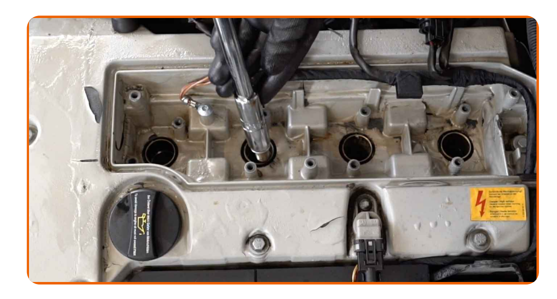




8 Unscrew the spark plugs. Use the spark plug socket #16. Use a ratchet wrench.



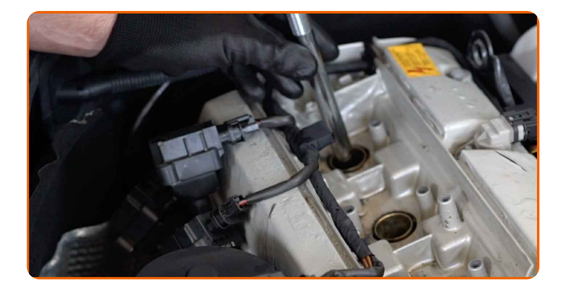
9 Take out the spark plugs.



10 Apply a thin layer of a special high temperature anti-seize lubricant to the threads of the new spark plugs. Treat the surface of the terminals of the new spark plugs. Use electronic spray.



11 Install the new spark plugs into their mounting seats.







12

Screw new spark plugs and tighten them. Use the spark plug socket #16. Use a torque wrench. Tighten it to 28 nm torque.

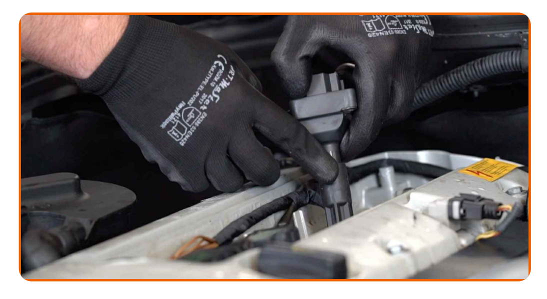


Replacement: spark plugs – Mercedes W203. Professionals recommend:

- Don't tighten the plugs with excessive force. Exceeding tightening torque can damage the thread connection.
- Be careful when working with a spark plug wrench. Its skewing can cause damage to the threaded connection.

13

Install the ignition coils to the spark plug wells. Make sure you hear a click indicating that it is locked in place.



AUTODOC recommends:

- Replacement: spark plugs – Mercedes W203. Follow the installation steps.

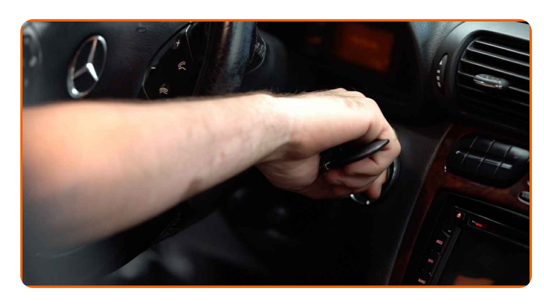




14 Tighten the fasteners of the ignition coils. Use a drive socket #E8. Use a torque wrench. Tighten it to 9 Nm torque.

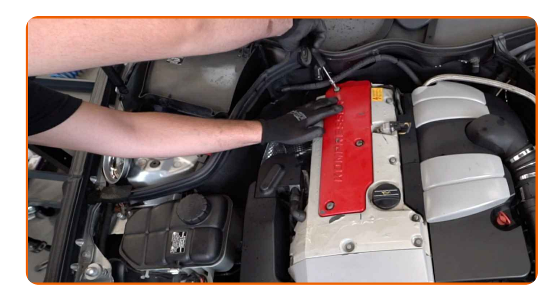


15 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.



16 Shut off the engine.

17 Install the engine cover and secure it. Use HEX No.HW5. Use a ratchet wrench.



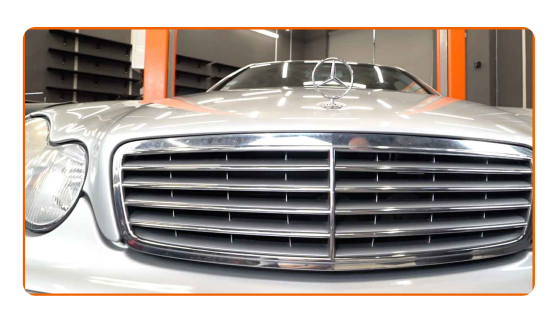
18 Remove the fender protection cover.







19 Close the hood.



WELL DONE!

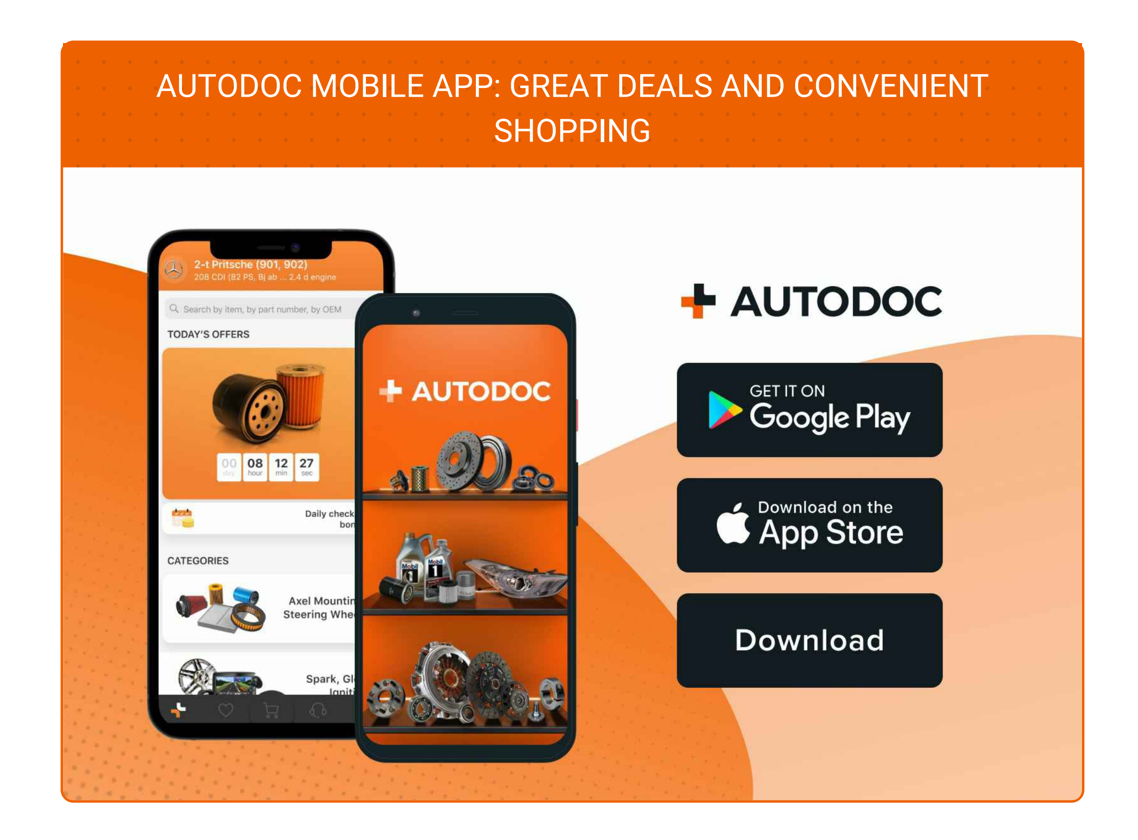






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